Fig.1A
(Related Art)

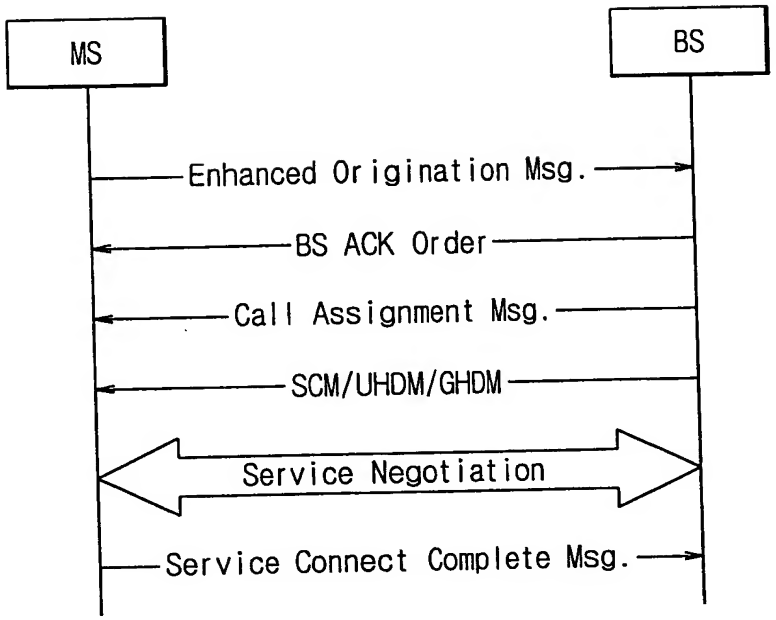

Fig.1B
(Related Art)

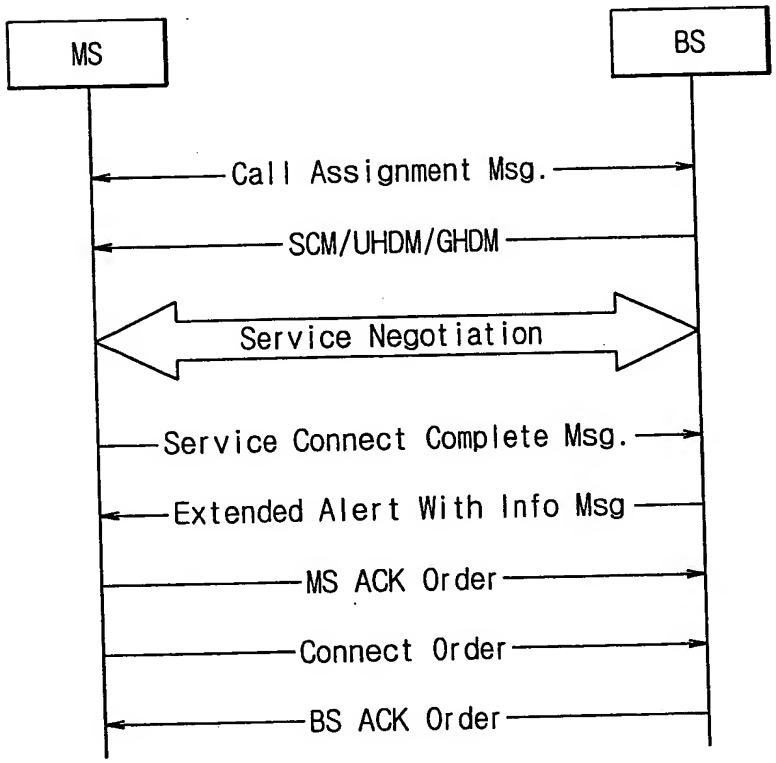

Fig.2
(Related Art)

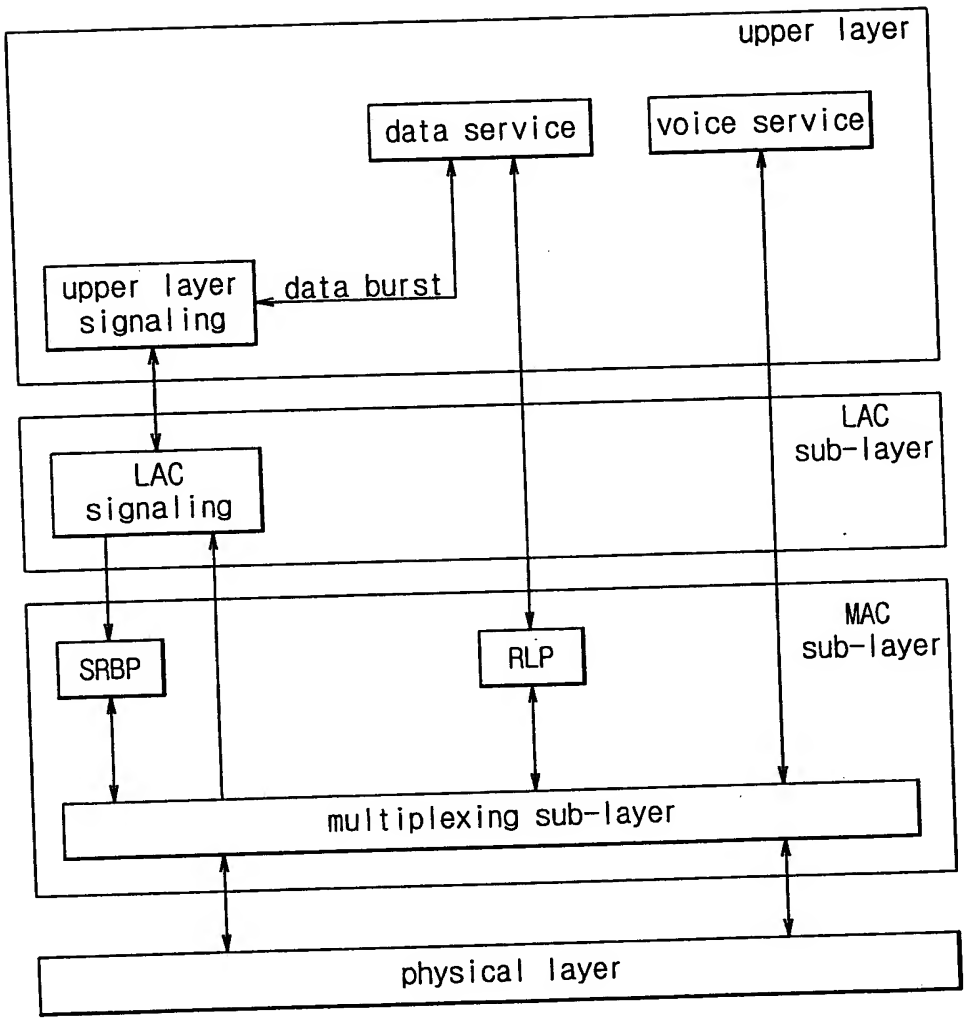

Fig.3
(Related Art)

transmission speed (bits/sec)	MuxPDU header			first traffic (bits/block)	signaling traffic (bits/block)	second traffic (bits/block)	Permitted on			
	mix mode (MM)	traffic type (TT)	traffic mode (TM)				FCH	DCCH	SCCH	SCH
9600	'0'	–	–	171	0	0	Y	Y	Y	Y
	'1'	'0'	'00'	80	88	0	Y	Y	N	N
	'1'	'0'	'01'	40	128	0	Y	Y	N	N
	'1'	'0'	'10'	16	152	0	Y	Y	N	N
	'1'	'0'	'11'	0	168	0	Y	Y	N	N
	'1'	'1'	'00'	80	0	88	Y	Y	N	N
	'1'	'1'	'01'	40	0	128	Y	Y	N	N
	'1'	'1'	'10'	16	0	152	Y	Y	N	N
	'1'	'1'	'11'	0	0	168	Y	Y	Y	Y
4800	–	–	–	80	0	0	Y	N	N	N
2400/2700	–	–	–	40	0	0	Y	N	N	N
1200/1500	–	–	–	16	0	0	Y	N	N	N

Fig.4
(Related Art)

trans-mission speed (bits/sec)	MuxPDU header		first traffic (bits/block)	signal-ing traffic (bits/block)	second traffic (bits/block)	Permitted on			
	mix mode (MM)	frame mode (FM)				FCH	DCCH	SCCH	SCH
14400	'0'	–	266	0	0	Y	Y	Y	Y
	'1'	'0000'	124	138	0	Y	Y	N	N
	'1'	'0001'	54	208	0	Y	Y	N	N
	'1'	'0010'	20	242	0	Y	Y	N	N
	'1'	'0011'	0	262	0	Y	Y	N	N
	'1'	'0100'	124	0	138	Y	Y	N	N
	'1'	'0101'	54	0	208	Y	Y	N	N
	'1'	'0110'	20	0	242	Y	Y	N	N
	'1'	'0111'	0	0	262	Y	Y	Y	Y
	'1'	'1000'	20	222	20	Y	Y	N	N
7200	'0'	–	124	0	0	Y	N	N	N
	'1'	'000'	54	67	0	Y	N	N	N
	'1'	'001'	20	101	0	Y	N	N	N
	'1'	'010'	0	121	0	Y	N	N	N
	'1'	'011'	54	0	67	Y	N	N	N
	'1'	'100'	20	0	101	Y	N	N	N
	'1'	'101'	0	0	121	Y	N	N	N
	'1'	'110'	20	81	20	Y	N	N	N
3600	'0'	–	54	0	0	Y	N	N	N
	'1'	'00'	20	32	0	Y	N	N	N
	'1'	'01'	0	52	0	Y	N	N	N
	'1'	'10'	20	0	32	Y	N	N	N
	'1'	'11'	0	0	52	Y	N	N	N
1800	'0'	–	20	0	0	Y	N	N	N
	'1'	–	0	0	20	Y	N	N	N

Fig.5

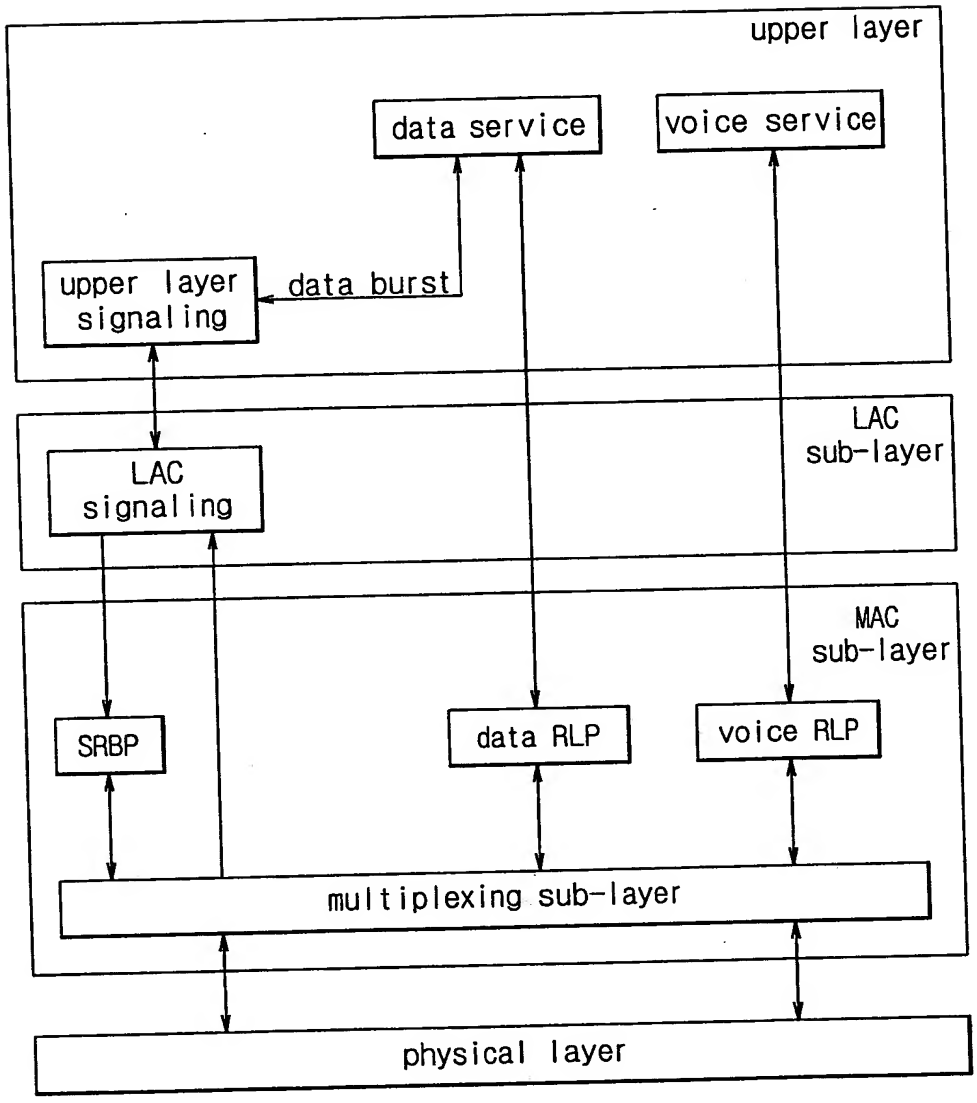
upper layer
data service
voice service
upper layer signaling
data burst
LAC sub-layer
LAC signaling
MAC sub-layer
SRBP
data RLP
voice RLP
multiplexing sub-layer
physical layer

Fig.6A

Field	bits
Information	168
frame type(TYPE)	3

Fig.6B

Field	bits
Information	264
frame type(TYPE)	2

Fig.6C

Field	bits
frame sequence(SEQ)	8
Data	160
frame type(TYPE)	3

Fig.6D

Field	bits
frame sequence(SEQ)	8
Data	256
frame type(TYPE)	2

Fig.7

Field	bits
SEQ	8
CTL	6
RESET_VAR	1
EXT_SEQ_M	0 or 18
NAK_PARAM_INCL	1
MAX_MS_NAK_ROUNDS_FWD	0 or 3
MAX_MS_NAK_ROUNDS_REV	0 or 3
MAX_ROUNDS_FWD	0 or 3
MAX_ROUNDS_REV	0 or 3

NAK_ROUNDS_FWD occurrences of the following

NAK_PER_NAK_ROUNDS_FWD	3

NAK_ROUNDS_REV occurrences of the following

NAK_PER_NAK_ROUNDS_REV	3

The following fields shall be:

Padding_1	Variable
FCS	16
Padding_2	Variable

Fig.8

Field	bits
SEQ	8
CTL	6('111100')
NAK_TYPE	2
SEQ_HI	4

If NAK_TYPE='00', the following fields shall be:

NAK_Gap_Count	2

NAK_Gap_Count+1 occurrences of the following record:

FIRST	12
LAST	12

If NAK_TYPE='01', the following fields shall be:

NAK_Map_Count	2

NAK_Map_Count+1 occurrences of the following record:

NAK_Map_SEQ	12
NAK_Map	8

If NAK_TYPE='10', the following fields shall be:

NAK_SEG_COUNT	2

NAK_SEG_COUNT+1 occurrences of the following record:

FRAME_SEQ	12
FIRST_S_SEQ	12
LAST_S_SEQ	12

If NAK_TYPE='11', the following fields shall be:

NAK_SEG_COUNT	2

NAK_SEG_COUNT+1 occurrences of the following record:

FRAME_SEQ	12
FIRST_S_SEQ	12
LAST_S_SEQ	8

For any NAK_TYPE value, the follwing fielde shall be:

Padding_1	Variable
FCS	16
Padding_2	Variable

Fig.9A

Field	bits
SEQ	8
CTL	4('1000')
SQI	1
LAST_SEG	1
REXMIT	1
LEN	5
SEQ_HI	0 or 4
S_SEQ	12
Padding_1	Variable
Data	8xLEN
Padding_2	Variable

Fig.9B

Field	bits
SEQ	8
CTL	1('0')
REXMIT	1
LEN	6
Data	8xLEN
Padding	Variable

Fig.10A

Field	bits
SEQ	8
CTL	4('1001')
SEQ_HI	4
Padding	Variable

Fig.10B

Field	bits
SEQ	8
CTL	4('1010')
SEQ_HI	4
Padding	Variable

Fig.11A

Field	bits
Voice Frame	168
frame type(TYPE)	3

Fig.11B

Field	bits
Voice Frame	8
CTL	6
Voice Frame	66

Fig.11C

Field	bits
Voice Frame	8
CTL	6
Voice Frame	26

Fig.11D

Field	bits
Voice Frame	8
CTL	6
Voice Frame	6